Appendix F
Traffic Crash Analysis

A crash analysis performed for the Pamlico County CTP factored crash frequency, crash type, and crash severity. Crash frequency is the total number of reported collisions and contributes to the ranking of the most problematic intersections. Crash type provides a general description of the crash and allows the identification of any trends that may be correctable through roadway or intersection improvements. Crash severity is the crash rate based upon injuries and property damage incurred.

The severity of every crash is measured with a series of weighting factors developed by the NCDOT Division of Highways (DOH). These factors define a fatal or incapacitating crash as 47.7 times more severe than one involving only property damage, and a crash resulting in minor injury is 11.8 times more severe than one with only property damage. In general, a higher severity index indicates more severe accidents. Listed below are levels of severity for various severity index ranges.

Severity	Severity Index
Low	<6.0
Average	6.0 to 7.0
Moderate	7.0 to 14.0

Severity	Severity Index
High	14.0 to 20.0
Very high	>20.0

Table 4 depicts a summary of the crashes occurring in Pamlico County between June 30, 2006 and June 30, 2009. The data represents locations with 5 or more crashes. The 'Total' column indicates the total number of crashes reported within 150 feet of the intersection during the study period. The severity listed is the average crash severity for that location.

Table 4 demonstrates that the intersection of NC 55 and NC 306 had a total of twelve crashes from 6/30/2006 to 6/30/2009. This intersection had the most crashes than any other intersection with NC 55 during that same period. The intersections of NC 55 and SR 1131, NC 55 and SR 1204, NC 55 and SR 1344, and the intersection of NC 55 and SR 1005 all had five crashes each during this same type period.

The NCDOT is actively involved with investigating and improving many of these locations. To request a more detailed analysis for any of the locations listed, or other intersections of concern, contact the Division Traffic Engineer. Contact information for the Division Traffic Engineer is included in Appendix A.